Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

09/663,832 Application Number Substitute for form 1449A/PTO Filing Date 9/15/2000 INFORMATION DISCLOSURE First Named Inventor: Malcolm G. Smith, Sr. STATEMENT BY APPLICANT Examiner: Daniel A. Hess **GROUP: 2876** (Use as many sheets as necessary) Sheet of Attorney Docket Number **ULT-010** U.S. PATENT DOCUMENTS Pages, Columns, Lines Examiner Cited Document Number **Publication Date** Name of Patentee or Number - Kind Code 2/1/ brown No. 1 MM-DD-YYYY Initials\* Applicant of Cited Document Where Relevant Passages or Figures Appear C01 US-4,006,507 02/1977 Yoshida C02 06/1997 US-5,638,345 Hosoya C03 US-5,689,105 11/1997 Mizoguchi et al. C04 09/1998 US-5,808,981 Suzuki FOREIGN PATENT DOCUMENTS **Publication** Examiner Cite Pages, Columns, Lines Initials\* No. 1 Foreign Patent Document Date Name of Patentee or Where Relevant Té MM-DD-Applicant of Cited Passages or Figures Cntry Code<sup>3</sup> Number<sup>4</sup> Kind Code<sup>5</sup> (If Internal) YYYY **Document** Appear OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) 95 **EXAMINER SIGNATURE:** DATE CONSIDERED:

"EXAMINER: Initial if reference considered, whether benot citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here If English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-785-9199) and select option 2. \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

#9

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Under th	e Paperwo	ork Reducti	on Aci	ion of 19	25, no pe		-	•		s it contains a valid OMB c	un lorino
Substitute	for form	n 1449A)	PTO	ASSOCIATE OF THE PARTY OF THE P			application Num	<u>iber</u>	9/15/2000		
INFO	DMA7	TION I	nte.	ല വ	HDE	<u> </u>	iling Date		3/13/2000		
		NT BY				- I F	irst Named Inve	entor:	Malcolm G. Smith, Sr.		
(Use	as man	ıy sheet.	s as	necess	ary)	E	xaminer: Danie	el I. Walsh	GROUP: 2876		
Sheet		l	of		14		Attorney Dock	et Number	ULT-010	_	
						U.S. 1	PATENT DOC	UMENTS			
Examiner Initials*	Cited No. <sup>1</sup>	Numb	ocum er - K	ent Num Lind Cod	ber	T	Publication Date MM-DD-YYYY	Name of	Patentee or Cited Document	Pages, Columns, Li Where Relevant Passa Figures Appear	
4/1	G001	US-1,	756,5	547		04	/1930	Ha	nsen		
	G002	US-3,	677,8	343		7/	17/1972	R	eiss		
	G003	US-3,	S-3,838,252			9/2	24/1974	Hyne	s et al.		
	G004	US-4,	058,8	58,839			/1977 _	Darjany, John C.			
	G005	US-4,	076,1	25		2/2	28/1978	Ohsaki et al.			
1	G006	US-4,	US-4,100,689			07	/1978	Bro	oune		
V	G007	US-4,	104,6	682		8/:	1/1978	Lehn	er et al.		
					FC	REI	GN PATENT DO	CUMENTS		_	
Examiner Initials*		Foreign F				<b></b>	Publication Date MM-DD-		t of Cited	Pages, Columns, Lines Where Relevant Passages or Figures	T¢
4//	G008	Cntry Code EP		nber' Kin 94675	d Code	() EDENINO	9/1986	Docu	iment	Appear	
-	G009	WO		10485			12/1992				
	G010	<del>ЛР</del>	-	041118			4/1998				
	G011	JP	-	144391			5/1998	K <sub>2</sub>	nda		
7		<del></del>	Ь				J	L		D	
1	(One						cluding Author, a Click! PC Card	`	<del>-</del>	Etc.) Corporation, 1999	
H 3	+ -				_		-			produce Spacing Loss	,,
i							Magnetis, Volume			biogree chaeme ross	
	One (	1) Page A	dver	tising B	rochure	e, Sys	TECH Wallet Siz	ze CDROM, C	opyright 1999		
V	Three	(3) Page	s / Go	old OD	Mihi R	qw.g	Picture), Back/Fro	ont Packaging	for CD Mini RO	M AOL, America On	Line
EXAMIN	ER SIG	NATURE	5:		in	1/	4	DATE CON	SIDERED:	7(2/14	
					<u>.v</u>	7	W NOCO COM C			d not considered. Include conv.of	this fa-

"EXAMINER: Initial if reference considered, whether or not distall in conformance with MPEP 609. Drawline through citation if not in conformance and not considered, include copy of this form with next communication to applicant. I Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspio.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2. "EXAMINER: tritital if reference considered, whether or not ditation is in conformance with MPEP 609. Draw time through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique distion designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspio.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST.18 if possible, 6 Applicant is to place a check mark here if English tanguage Translation is attached.

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperviols Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. **Application Number** 09/663,832 Substitute for form 1449A/PTO 9/15/2000 Filing Date INFORMATION DISCLOSURE First Named Inventor: Malcolm G. Smith, Sr.

**GROUP: 2876** Examiner: Daniel I. Walsh (Use as many sheets as necessary)

Attorney Docket Number | ULT-010 Sheet 14

JAN 2 6 2004

STATEMENT BY APPLICANT

Oneer				A CENTER DOCK			
Examiner Initials*	Cifey	Document Number Number - Kind Code 201		PATENT DOC Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lin Where Relevant Passag Figures Appear	
1	10012	US-4,141,400	2/2	27/1979	Mangan	11,541.0071.550	
1	G013	US-4,197,988	4/	15/1980	Moss et al.		
	G014	US-4,209,811	6/	1/1980	Blazevic		
	G015	US-4,277,809	7/	7/1981	Fisher et al.		•
	G016	US-4,302,523	11	/1/1981	Audran et al.		
	G017	US-4,318,136	3/2	2/1982	Jeffers		
	G018	US-4,403,138	9/	1/1983	Battarel et al.		
	G019	US-4,450,955	5/2	29/1984	Featherston		
	G020	US-4,503,125	3/	1/1985	Nelson et al.	ŕ	
	G021	US-4,530,016	7/	16/1985	Sawazaki		
,	, G022	US-4,535,369	8/	13/1985	Sawazaki		
	G023	US-4,581,523	4/	1/1986	Okuno		
	G024	US-4,585,929	4/:	29/1986	Brown et al.		
		•	FOREI	GN PATENT D	OCUMENTS		
Examiner Initials*	Cite No. 1	Foreign Patent Document  Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Co	ode <sup>5</sup> (Vinnen)	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>©</sup>
		OTHER DOCUME	Media	cluding Author	Title. Date. Pertinent Pages	Etc.)	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

**EXAMINER SIGNATURE:** 

DATE CONSIDERED:

\*EXAMINER: Initial if reference considered, whether or not estation is in conformance with MPEP 609. Draw line through disation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique disation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2. "EXAMINER: Initial if reference considered, whether or not disting is in conformance with MPEP 609. Draw time through cliation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique cliation is in number (optional). 2 See Kind Codes of USPTO Patent becomes at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter and MINDO Standard St. A. Enter Office that issued the document, by the two-letter and MINDO Standard St. A. Enter Office that issued the document, by the two-letter and MINDO Standard St. A. Enter Office that issued the document, by the two-letter and MINDO Standard St. A. Enter Office that issued the document, by the two-letter and MINDO Standard St. A. Enter Office that issued the document. code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paper and Reduction Action of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Callantina A	or form 1449A/PTO					Α	pplication Num	ber	09/663,832		
Substitute 1	or iomi	144 <u>84</u>	<u>- 10</u>			Fi	ling Date		9/15/2000	`	
INFOR STATI						Fi	rst Named Inve	ntor:	Malcolm G. Smith, Sr.		
(Use a	s man	y sheet	s as	necess	ary)	E	xaminer: Danie	l I. Walsh	GROUP: 28	GROUP: 2876	
Sheet	3		of		14	1	Attorney Docke	et Number	ULT-010		[
	1	1			U.	 S. P	ATENT DOC	UMENTS			
Examiner Initials •	Cired No.			ent Num ind Cod	ber	P	Publication Date Name of Patentee or MM-DD-YYYY Applicant of Cited Document			Pages, Columns, Lin Where Relevant Passag Figures Appear	
	G/25	US-4,	,592,0	142		5/1	/1986	Lemels	on et al.		
1	6026	US-4,	US-4,598,196			7/1	/1986	Pierce	e et al.		
	G027	US-4,	,609,8	112		9/2	/1986	Dre	xler		
	G028	US-4,	,612,4	136		9/1	6/1986	Ok	ada		
	G029	US-4,	,620,7	27		11/	4/1986	Stockbu	rger et al.		
	G030	US-4,	,659,9	15		4/1	/1987	Fi	ies		
	G031	US-4,	,672,1	82		6/1	/1987	Hiro	kawa		
	G032	US-4,	,683,3	371	1	7/1	/1987	Dre	xler		
	G033	US-4,	,687,7	112		8/1	8/1987	Sugit	a et al.	-	
	G034	US-4,	,701,6	i01		10/	20/1987	Franci	ni et al.	,	
	G035	US-4,	,707,5	93		11/	1/1987	Murat	a et al.		
	G036	US-4,	,718,6	97		01/	1988	Berardus va	n Amelsfort		
$\sqrt{1}$	G037	US-4,	,731,6	45		3/1	/1988	Parmen	tier et al.		
V	G038	US-4,	754,1	28		6/1	/1988	Taked	a et al.		
V					FOR	EI(	GN PATENT DO	CUMENTS			
Examiner Initials*		ite				pun)	Publication Date MM-DD- YYYY	Name of P Applicant Docu	of Cited	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>
		ОТ	HER	DOCU	MENTS	(Jpc	luding/Author,	Γitle, Date, Pe	rtinent Pages,	Etc.)	
				(							
EXAMINE INTO				her or and o	talian is in mo		noe with MPEP and Pro-	DATE CONS		4 2 44 d not considered, Include copy of th	vis form w

"EXAMINER: Initial if reference considered, whether or not citation is in configrrance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant. I Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2. "EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 540nd of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Olinei o	e rapeiw		B30, IIU peis	OID 6	ne reduned to respon	N ID & COLLECTION C	A Anomianou mas	SS II CUTILAINS A VALUE OMIS CUTIL	TOI MUI
Substitute	for for	n 1449A/PTO		A	pplication Num	ber	09/663,832		
Substitute	: 101 1011	II 1 <del>44</del> 7AVF IU		F	iling Date		9/15/2000		
		TION DISCLO NT BY APPLI		F	irst Named Inve	ntor:	Malcolm G. Smith, Sr.		
(Use	as mai	ny sheets as nece	ssary)	Examiner: Daniel I. Walsh			GROUP: 2876		
Sheet		4 of	14	1	Attorney Docke	et Number	ULT-010		
			U.	S. F	PATENT DOC	UMENTS			
Examiner Initials*	Cited No.	<u>Document Nu</u> Number - Kind Co			ublication Date  1M-DD-YYYY		Patentee or Cited Document	Pages, Columns, Lines Where Relevant Passages Figures Appear	
	<b>)</b> G039	US-4,756,967		7/1	/1988	Hashim	oto et al.		
Y	G040	US-4,774,618		9/2	7/1988	Ra	viv		
	G041	US-4,777,540		10	/11/1988	Мс	Coy		
	G042	US-4,780,604		10/	1988	Hasega	wa et al.		
	G043	US-4,786,564		11/	/22/1988	Cher	et al.		
	G044	US-4,791,283		12	/13/1988	Burk	chardt		
	G045	US-4,812,633		03/	1989	Vogelge	sang et al.		
	G046	US-4,826,772		05/	1989	Mea	threl		
	G047	US-4,833,310		05/	/23/1989	Shimam	ura et al.		
	G048	US-4,851,610		07/	25/1989	LeBlai	nc et al.		
	G049	US-4,877,488		10/	1989	Cody	et al.		
	, G050	US-4,889,755		12/	1989	Charb	onneau		
	G051	US-4,897,533		01/	1990	Lysz	CZAFZ		
<u> </u>			· FOF	ŒIC	GN PATENT DO	CUMENTS		•	
Examiner Initials*	Cite No. 1	Foreign Patent Docus  Cntry Code <sup>3</sup> Number <sup>4</sup> K		oun)	Publication Date MM-DD- YYYY	Name of P Applicant Docu	of Cited	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T¢
							·		
		OTHER DOC	UMENTS	(Inc	luding/Author, 1	litle, Date, Pe	rtinent Pages,	Etc.)	
		•	4/		$\Lambda \square$				
EXAMIN	ER SIG	NATURE:	1/4		MA	-DATE CONS	SIDERED:	7/2/04	

"EXAMINER: Initial if reference considered, whether or not cligion is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need essistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2. "EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique dilation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the hyd-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

JAH 2 6 2004

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Number 09/663,832

Substitute	Ter fort	n 1449A/F	то		F	ling Date	-	9/15/2000		
			DISCLOS APPLIC		Fi	irst Named Inve	entor:	Malcolm G.	Smith, Sr.	
			as necess		E	xaminer: Danie	el I. Walsh	GROUP: 28	376	
Sheet		5 0	of	14	1	Attorney Docke	et Number	ULT-010		
				_U.	S. P	ATENT DOC	UMENTS			
Examiner Initials •	Cited No. 1		ocument Numer - Kind Cod			ublication Date IM-DD-YYYY		Patentee or Cited Document	Pages, Columns, Lin Where Relevant Passag Figures Appear	
118	G052	US-4,9	931,623		6/5	/1990	Nakamura et al.			
	G053	US-4,9	37,438		6/2	6/1990	Warwick et al.			
	G054 US-4,978,401		12/	18/1990	Boi	nomi				
	G055 US-4,998,009		03/1991		lijima et al.					
	G056	US-5,0	36,430		07/	1991	Н	ills		
	G057	US-5,0			09/	09/1991 Rd		vin		
	G058	US-5,0	99,111		03/	1992	Takakı	ıra et al.		
	G059	US-5,1	107,099		04/	1992	Sn	nith		
	G060	US-5,2	206,494		04/	1993	Me	tzger		
	G061	US-5,2	236,791		08/	1993	Yahis	a et al.		
	G062	US-5,3	309,388		5/3	/1994	Maruya	ma et al.		
$\forall$	G063	US-5,3	311,003		5/1	0/1994	Sai	roya		
				FOR	ŒIC	ON PATENT DO	CUMENTS			
Examiner Initials*	Cite No. 1		atent Docum		<b>2744</b> )	Publication Date MM-DD- YYYY	Name of F Applican Docu		Pages, Columns, Lines Where Relevant Passages or Figures Appear	Т <sup>6</sup>
		Citaly Code	Tunimor Foll			4 5 2 2	Docu	1490411	турса	$\dashv$
		ОТВ	ER DOCU	MENTS	<u> </u>	luding Author)	Fitle, Date Pe	rtinent Pages	Etc.)	$\dashv$
		<u> </u>	ER BOCO		<del>/</del>		ino, Date, 1 e	s cineme 1 ages,	200.9	$\dashv$
EXAMINI	ER SIG	NATURE	:	-//4	<u> </u>	4	DATE CONS	SIDERED:	7/2/14	
				itation is in cor	toma:	nce with MPEP 609. Draw	L		nd not considered. Include copy of the	als form wit

\*EXAMINER: Initial if reference considered, whether or not citations in conformance with MPEP 609. Draw line through dilation if not in conformance and not considered, whether or not citations is form with next communication to applicant. I Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2. "EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw tine through diation if not in conformance and not considered, include copy of this form with next communication to applicant. I Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

ber.

X	7,				so, no pers	7~	re required to respo	<del></del>	1	S II COI RAIDS	a valid OMB c	OURGH UNI
Superiture	for form	n 1449	A/PTO				pplication Nun	nber	09/663,832		<del></del>	
						F	iling Date		9/15/2000			
INFOI STAT						F	irst Named Inve	entor:	Malcolm G.	Smith, Sr	·	
(Use	as mar	ıy she	ets as	necess	ary)	E	xaminer: Dani	el I. Walsh	GROUP: 28	76		
Sheet		5	of		14		Attorney Dock	et Number	ULT-010		•	
					U.	S. P	PATENT DOC	UMENTS				
Examiner Initials*	Cited No. 1		<u>Docun</u> ımber - I	nent Nun Kind Cod	ber	P	rublication Date  1M-DD-YYYY	Name of	Patentee or Cited Document	Where Ro	Columns, Li elevant Passa gures Appear	
THE	G064	US	-5,321,	243		6/1	4/1994	Grove	es et al.			
1	G065	US	-5,336,	871		10/	/9/1994	Colg	ate Jr.			
	G066	US	-5,362,	952		11/	/8/1994	Nair	et al.			
	G067	US	-5,396,	369		5/7	7/1995	Deland	Jr. et al.			
	G068	US	-5,396,	545		3/7	7/1995	Nair	et al.			
	G069	US	-5,397,	886		3/1	4/1995	Mos	et al.			
	G070	US	-5,408,	384	-	04/	/1995	Ganny	yo et al.			
	G071	US	-5,410,	136		4/2	5/1995	McInt	ire et al.		<del>.</del>	
	G072	US	-5,421,	618		6/6	5/1995	Okaza	ki et al.			
	G073	US	-5,426,	286		6/2	:0/1995	Nair	et al.			
	G074	US	-5,431,	746		7/1	1/1995	Manni	ng et al.		<del></del>	
	G075	US	-5,452,	143		9/1	9/1995	Kam	agami			
11/	G076	US	-5,466,	918		11/	14/1995	Ray	et al.			
11/	G077	US	-5,480,	685 ,		1/2	/1996	Suzul	ki et al.			
Ψ	•				FOR	ŒIC	GN PATENT DO	OCUMENTS				$\neg$
Examiner Initials*	Cite No.			t Docume			Publication Date MM-DD- YYYY	Name of F Applican	Patentee or t of Cited	Where I Passages	umns, Lines Relevant or Figures pear	τ•
	<del></del>											
<u>-</u>			THER	DOCU	MENTS	(Inc	luding Author,	Title. Date. Pe	rtinent Pages	Etc.)		<b></b>
				(	7	/			Turne I agos,		<del></del>	
EXAMINE	ER SIGI	NATU	RE:		12	$\mathcal{T}$	/*/-	DATE CONS	SIDERED:	7(2	104	$\dashv$
				ther or not d	lation is in cor	forma	nce with MPEP 609. Dran			d not considere	1. Include copy of	Unis form will

next communication to applicant. 1 Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English tanguage Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application.

Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2. "EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique citation distinguishment of the communication of the patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents of the patent of the period of the patent document by the control of the patent of the patent of the patent document by the control of the patent of the p appropriate symbols as indicated on the document under WIPO Standard ST,16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwijk Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

estionium Cationium	for form	1440 A /PTO		Α	pplication Num	iber	09/663,832			
Surstitute	المالمان المتعمد	1449A/PTO		F	iling Date		9/15/2000			
		ION DISCLOS		F	irst Named Inve	entor:	Malcolm G. Smith, Sr.			
(Use	as many	sheets as necess	sary)	E	xaminer: Danie	el I. Walsh	GROUP: 28	GROUP: 2876		
Sheet	7	of	14		Attorney Docke	et Number	ULT-010			
	<b>!</b>		U.		ATENT DOC					
Examiner .	Fited No. 1	Document Num Number - Kind Cod	nber	P	ublication Date IM-DD-YYYY	Name of	Patentee or Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear		
1//	G078	US-5,492,745		2/1	996	Yoko	oyama			
14	G079	US-5,509,083		4/1	6/1996	Abtal	ni et al.			
	G080	US-5,521,774		5/2	8/1996	Park	s et al.			
	G081	US-5,530,232		6/2	5/1996	Та	ylor			
	G082	US-5,535,078		7/9	/1996	Wai	rwick			
	G083	US-5,557,089		9/1	7/1996	Hall	et al.			
	G084	US-5,559,885		9/2	4/1996	Drexi	er et al.			
	G085	US-5,588,763		12/	31/1996	Nubsc	on et al.			
	G086	US-5,598,474		1/2	8/1997	Joh	nson			
	G087	US-5,609,253		3/1	1/1997	Goad	ie, Sr.	٠.		
	G088	US-5,612,526		3/1	8/1997	Ogucl	ni et al.			
	G089	US-5,626,970		5/1	997	Hed	gcoth			
-V/	G090	US-5,637,174		6/1	0/1997	Field	l et al.			
V	G091	US-5,679,942		10/	21/1997	Тоу	⁄ama			
			FOR	EIC	ON PATENT DO	CUMENTS				
Examiner Initials*		Foreign Patent Docum		over)	Publication Date MM-DD- YYYY	Name of F Applican Docu		Pages, Columns, Lines Where Relevant Passages or Figures Appear		
			•	**	<u> </u>					
	<del></del>	OTHER DOCU	MENTS	Me	luding Aythor,	Title, Date, Pe	rtinent Pages,	Etc.)		
		X		<u> </u>						
EXAMINI			m -t	1	-1	DATE CONS		7/2/04		
EXAMINER: IN	प्रश्ने में व्हिल्लाट	e considered, whether not c	itation is in con	qome	nce with MPEP 609. Draw	line through citation is	not in conformance an	d not considered. Include copy of this form wi		

next communication to applicant. 1 Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademerk Office, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, cell 1-800-PTO-9199 (1-800-785-9199) and select option 2. "EXAMINER: Initial if reference considered, whether or not dilation is in conformance with MPEP 609. Draw line through dilation if not in conformance and not considered, include copy of this form with next communication to applicant, 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Occurrents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the docurrent, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

JAN 2 6 ZON T

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

hader the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

2.	ute for form 1449A/PTO				A	pplication Num	iber -	09/663,832		
Substitute	i <del>or</del> iorm	1447A/Y	10		F	iling Date		9/15/2000	•	
				SURE CANT	F	irst Named Inve	entor:	Malcolm G. Smith, Sr.		
(Use d	as manj	y sheets	as nece	ssary)	E	xaminer: Danie	el I. Walsh	GROUP: 2876		
Sheet	8	0	f	14		Attorney Docke	et Number	ULT-010		
				Ū.		PATENT DOC	·			
Examiner /	Vited No. 1	<u>Do</u> Number	cument N r - Kind C		P	AM-DD-YYYY	Name of	Patentee or Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	
A	G092	US-5,67	79,945		10	/21/1997	Renne	er et al.		
1	G093	US-5,69	96,369		12/	/1997	Wat	anabe		
	G094	US-5,69	98,839		12	/17/1997	Jagie	linski		
	G095	US-5,71	13,406		2/3	3/1998	Dr	ury		
	G096	US-5,7	14,747		2/3	3/1998	West	et al.		
	G097	US-5,72	US-5,720,500		2/2	24/1998	Okaza	ki et al.		
	G098	US-5,72	US-5,723,033		3/3	/1998	W	eiss		
	G099	US-5,73	34,154		3/3	1/1998	Jachimo	wicz et al.		
	G100	US-5,73	38,945		4/1	4/1998	Lal	et al.		
1.	G101	US-5,74	48,737		5/5	5/1998	Da	ggar		
	G102	US-5,7	56,220		5/1	998	Hoshino et al.			
.] [	G103	US-5,70	63,862		6/9	/1998	Jachimov	wicz et al.		
$\mathbb{W}^{-}$	G104	US-5,77	70,942		6/2	23/1998	Tag	gchi		
V	G105	US-5,77	77,306		רוד	7/1998	Ma	suda		
		<u> </u>		FOI	ŒI(	GN PATENT DO	CUMENTS			
Examiner Initials*		Foreign Pa		ment Cind Code <sup>5 (4)</sup>	(ma)	Publication Date MM-DD- YYYY	Name of P Applicant Docu	atentee or of Cited	Pages, Columns, Lines Where Relevant Passages or Figures Appear	
						c 1				
		отн	ER DOC	UMENTS	(Ing	duding Author	Vitle, Date, Pe	rtinent Pages,	Etc.)	
			7	1	$\mathcal{L}$			•		
EXAMINE				m	<u>{//</u>	101	DATE CONS		7/2/04	
"EXAMINER: Init next communicat	tal if referenci tion to applic	ce considered, ant. 1 Applican	whether or no it's unique cita	at citation is in continuous designation	numbe	nce with MPEP 609. Draw or (optional). 2 See Kinds (	line through citation if Codes of USPTO Pater	not in conformance and no Documents at www.u	t not considered, include copy of this form w spto.gov or MPEP 901.04, 3 Enter Office th	

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Stind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. OO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-600-PTO-9199 (1-600-786-9199) and select option 2. "EXAMINER: Initial It reference considered, whether or not citation is in conformance with MPEP 699. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant, 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Signed of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English tanguage Translation is attached.

Approved for use through 07/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/08A (08-03)

Under the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Application Number 09/663,832 Substitute for form 1449A/PTO Filing Date 9/15/2000 INFORMATION DISCLOSURE First Named Inventor: Malcolm G. Smith, Sr. STATEMENT BY APPLICANT Examiner: Daniel I. Walsh GROUP: 2876 (Use as many sheets as necessary) Sheet 9 of 14 Attorney Docket Number **ULT-010** U.S. PATENT DOCUMENTS Publication Date Document Number Name of Patentee or Pages, Columns, Lines Examine Number - Kind Code 2017 towns **MM-DD-YYYY** Applicant of Cited Document Where Relevant Passages or Initials\* Figures Appear **G**106 US-5,789,733 8/4/1998 Jachimowicz et al. G107 9/1998 US-5,801,368 Hayashi et al. Kocznar et al. G108 US-5,825,393 10/20/1998 G109 10/27/1998 US-5,828,053 Kinugasa G110 11/10/1998 Gutman et al. US-5,834,756 G111 12/1/1998 US-5,843,565 Davies et al. G112 US-5.844,218 12/1/1998 Kawan et al. G113 U\$-5,844,230 12/1/1998 Lalonde G114 US-5,851,688 12/22/1998 Chen et al. ч. Masahiko G115 US-5,852,289 12/22/1998 G116 1/5/1999 US-5,857,079 Claus et al. G117 US-5,859,419 1/12/1999 Wynn G118 US-5,861,220 Coughlin 1/19/1999 G119 1/19/1999 US-5,862,174 Yokota et al. FOREIGN PATENT DOCUMENTS Exampler Pages, Columns, Lines Cite **Publication** Initials\* No. 1 Foreign Patent Document Date Name of Patentee or Where Relevant Τδ MM-DD-Applicant of Cited Passages or Figures Cntry Code<sup>3</sup> Number<sup>4</sup> Kind Code<sup>5 (f turn)</sup> YYYY **Document** Appear OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) **EXAMINER SIGNATURE: DATE CONSIDERED:** 

"EXAMINER: Initial if reference considered, whether or not cluston is in conformance with MPEP 509, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. I Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible, 6 Applicant is to place a check mark here if English language Translation

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2. "EXAMINER: intimate if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant, 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the region of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

JAH 2 G ZOOK P

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Application Number 09/663,832 Substitute for form 1449A/PTO Filing Date 9/15/2000 INFORMATION DISCLOSURE First Named Inventor: Malcolm G. Smith, Sr. STATEMENT BY APPLICANT Examiner: Daniel I. Walsh GROUP: 2876 -(Use as many sheets as necessary) Sheet 10 of 14 Attorney Docket Number **ULT-010 U.S. PATENT DOCUMENTS** Examiner Document Number Publication Date Name of Patentee or Pages, Columns, Lines Cited No. 1 Number - Kind Code 200 brown Initials\* MM-DD-YYYY Applicant of Cited Document Where Relevant Passages or Figures Appear G120 US-5,866,891 2/2/1999 Fujimoto et al. **G121** US-5,869,823 2/9/1999 Bublitz et al. G122 US-5,880,445 3/9/1999 Mori et al. G123 US-5,883,377 3/16/1999 Chapin, Jr. G124 US-5,884,271 3/1999 Pitroda G125 3/1999 US-5,886,333 Miyake G126 3/1999 US-5,889,273 Goto 4/1999 G127 US-5,895,903 Abe et al. G128 US-5,895,909 Yoshida 4/1999 G129 US-5,898,612 4/1999 Chen et al. G130 US-5,901,012 5/1999 Ishida G131 US-5,901,303 5/1999 Chew G132 US-5,928,759 7/1999 Arita et al. G133 US-5,939,202 8/1999 Ataka et al. FOREIGN PATENT DOCUMENTS Examiner Cite · **Publication** Pages, Columns, Lines Initials\* No. 1 Foreign Patent Document Date Name of Patentee or Where Relevant ぜ MM-DD-Applicant of Cited Passages or Figures Cntry Code<sup>3</sup> Number<sup>4</sup> Kind Code<sup>5 (f) Introd</sup> YYYY Document Appear Title, Date, Pertinent Pages, Etc.) OTHER DOCEMENTS (Including Author **EXAMINER SIGNATURE:** DATE CONSIDERED:

"EXAMINER: Initial if reference considered, whether or hol citation is in conformance with MPEP 609. Draw line through distion if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique dilation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English tanguage Translation

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2. "EXAMINER: trimital If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation in not in confidence and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 90.1.0. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the reign of the Emperor must precede the serial number of the patent document, Skind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English tanguage Transtation is attached.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE aperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. **Application Number** 09/663,832 Substitute for form 1449A/PTO Filing Date 9/15/2000 INFORMATION DISCLOSURE Malcolm G. Smith, Sr. First Named Inventor: STATEMENT BY APPLICANT GROUP: 2876 Examiner: Daniel I. Walsh (Use as many sheets as necessary) **Attorney Docket Number** Sheet 11 14 **ULT-010** U.S. PATENT DOCUMENTS Examiner Document Number **Publication Date** Name of Patentee or Pages, Columns, Lines Number - Kind Code 2/9 boxxxy MM-DD-YYYY Initials\* Applicant of Cited Document Where Relevant Passages or Figures Appear 8/1999 **G**134 US-5,941,375 Kamens et al. G135 US-5,979,774 11/1999 Urushibata G136 US-5,997,042 12/1999 Blank G137 US-6,079,621 6/2000 Vardanyan et al. G138 US-6,080,476 6/2000 Kanbe et al. G139 US-6,116,655 9/2000 Thouin et al.

FOREIGN PATENT DOCUMENTS

10/2000

2/2001

4/2001

5/2001

7/2001

Examiner	Cite		Publication	ł	Pages, Columns, Lines	
Initials*	No. 1	Foreign Patent Document	Date	Name of Patentee or	Where Relevant	
			MM-DD-	Applicant of Cited	Passages or Figures	Τ <sup>6</sup>
		Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (Viscon)	YYYY /	Document	Appear	
			1 ) / /	<u> </u>		
<b></b>	<u> </u>		<del>-                                    </del>	<u> </u>		

OTHER DOZUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

**EXAMINER SIGNATURE:** 

G140

**GI41** 

G142

G143

G144

US-6,131,816

US-6,186,398

US-6.221,508

US-6,238,809

·US-6,254,713

DATE CONSIDERED:

Smith, Sr.

Kato et al.

Kanbe et al.

Wu et al.

Riehle

7/2/94

\*EXAMINER: Initial if reference considered, whether grafot citation is in conformance with IMPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2. "EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique diation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

ander the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

C. L.	ubstitute for form 1449A/PTO				A	pplication Num	ber	09/663,832		
PROSIMIL	ioi ion	n 1447A/I	10		F	iling Date		9/15/2000	•	
			DISCLO APPLIC		F	irst Named Inve	entor:	Malcolm G.	Smith, Sr.	
Пse	as mai	nv sheets	s as neces	sarv)	E	xaminer: Danie	el I. Walsh	GROUP: 28	76	
Sheet			of	14		Attomey Docke	et Number	ULT-010		
		1	<u>-</u> I	1000		ATENT DOC				
Examiner Initials	Cited No.1	<u>D</u> Numb	ocument Nur er - Kind Co	nber	P	ublication Date IM-DD-YYYY	Name of	Patentee or Cited Document	Pages, Columns, Line Where Relevant Passage Figures Appear	
	A 0145	US-6,	398,114		6/2	002	Nishikawa et al.			
	6146	US-D2	264,853		6/1	982	Scavino et al.			
	G147	US-D	US-D293,694		1/1	988	Alden et al.			
	G148	· · ·		2/1	990	Nish	imura			
	G149	G149 US-D305,887			8/1	992	Mats	suzaka		
	G150	<del> </del>			4/20/1999		Ferchau et al.			
	G151	US-D4	410,769		6/1999		Dorizas			
	G152	US-D4	425,876		5/2	000	Maie	rs et al.		
$\Lambda$	G153	US-D4	429,733		8/2	000	Jone	s et al.		
W.	G154	US-D4	436,991		1/2	001	Morgante		-	
1/	G155	US-D4	147,146		8/2	001	Myers			
$\overline{}$	G156	US-D4	148,776		10/	2001	Weng	g et al.		
	/ G157	US-5,0	041,922		08/	20/1991	Woo	d et al.		
4/21	G158	US-5,0	055,155		10/	08/1991	Crott	y et al.		
		-		FOI	REIC	GN PATENT DO	CUMENTS			
Examiner Initials*	Cite No. 1	Foreign D	atent Docum	ent.		Publication Date	Nome of I	Patentee or	Pages, Columns, Lines Where Relevant	$\Box$
1	140.					MM-DD-	Applican	t of Cited	Passages or Figures	₹ <sup>6</sup>
PAH.	G159	Cntry Code FR	Number <sup>4</sup> Ki 2505523	nd Code" "		12/11/1982 /		er MJF	Арреат	
	/									
9/11/	huchan				7	luding Author,	//		Etc.) er-Verlag, pp. 599, 629-	638
<del>//                                   </del>				. Mechan		Mugneye Horas			<del></del>	020
		NATURE					DATE CONS		7204	
next communic	ration to appl	ice considered	o, whether or not	cuation is in co on designation	numbe	r (optional). 2 See Kinds (	rune uwough citation i Codes of USPTO Pate	not in contomicace and ent Documents at www.u	d not considered, include copy of this spio.gov or MPEP 901.04, 3 Enter-	is form with Office that

"EXAMINER: Initial if reference considered, whether or high citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, whether or high citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, whether copy of this form with next communication to applicant, i Applicant's unique dilation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.99. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2. "EXAMINER: tritial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant, 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English tanguage Translation is attached.

JAN 2 6 7004

PTO/SB/08A (08-03)
Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

oder the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

VOUEL UK	a rapcimon	A INSUBULUATION	001 0 1333	, IID pers	J113 0	re required to respon	to to a conoccon.		N II CONTENTS & VAND CIVID C	CHILL CHILLIAN
	£ £				A	pplication Nur	iber	09/663,832		
2002aure	70l to∟m	1449A/PTO			F	iling Date		9/15/2000		
		ION DIS			Fi	rst Named Inve	entor:	Malcolm G.	Smith, Sr.	
		sheets as			E	xaminer: Danie	el I. Walsh	GROUP: 28	76	
Sheet	13	of	14	4		Attorney Dock	et Number	<b>ULT-</b> 010		
	1			U.	S. P	ATENT DOC	UMENTS			
Examiner Initials*	Vived	<u>Docum</u> Number - K	ient Number Lind Code	<u>66</u> 500 provení 10		ublication Date IM-DD-YYYY		Patentee or Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	
	G160				03/	31/1992	Со	nant		
71	G161	US-5,147,7	732 ·		09/	15/1992	Shirois	shi et al.		
	G162	US-5,180,6	540		01/	19/1993	Yamasl	nita et al.		
	G163	US-5,191,1	198		03/	02/1993	I	)o		
	G164	US-5,204,5	513		04/	20/1993	Ste	eele		
	G165	US-5,206,4	189		04/	27/1993	Wai	rwick		
	G166	US-5,217,0	056		06/	08/1993	Ri	tter		
	G167	US-5,221,8	338		06/	22/1993	Gutm	an et al.		
	G168	US-5,254,8	343		10/	19/1993	Hynes et al.		• • ;	
1	G169	US-5,270,5	523		12/	14/1993	Chan	g et al.		
	G170	US-5,286,9	958	1	02/	15/1994	Sm	neets		
1/.				FOR	EIC	SN PATENT DO	CUMENTS			
Examiner Initials	١٠	Foreign Patent		_	<b>7</b> =↓	Publication Date MM-DD- YYYY		Patentee or t of Cited iment	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T¢
!						) · /	/;			
		OTHER	DOCUM	ENTS	(Inc	luding Author,	Litle, Date, Pe	rtinent Pages,	Etc.)	
			4		/	14	//			
EXAMIN	ER SIGN	ATURE:		1/1	ا		DATE CONS	SIDERED:	7/4/04	

\*EXAMINER: Initial if reference considered, whether or not plation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique bistion designation number (optional), 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gip or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 8 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application, Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2. "EXAMINER: thitial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with need communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Uniter the Paperwork Reduction Action of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. **Application Number** 09/663,832 Substitute for form 1449A/PTO Filing Date 9/15/2000 INFORMATION DISCLOSURE First Named Inventor: Malcolm G. Smith, Sr. STATEMENT BY APPLICANT Examiner: Daniel I. Walsh **GROUP: 2876** (Use as many sheets as necessary) 14 **Attorney Docket Number** Sheet of 14 **ULT-010 U.S. PATENT DOCUMENTS** Cited Document Number **Publication Date** Name of Patentee or Pages, Columns, Lines Examiner Number - Kind Code 2// Invest No. I MM-DD-YYYY Initials\* Where Relevant Passages or Applicant of Cited Document Figures Appear G171 US-5,288,942 02/22/1994 Godfrey **G172** 03/09/1999 US-5,880,454 Monicault **G173** US-5,621,583 04/15/1997 Parks et al. US-5,739,975 G174 04/14/1998 Parks et al. **G175** 08/06/2002 US-6,430,114 Wang et al. G176 US-6,677,105 01/13/2004 Wang et al. FOREIGN PATENT DOCUMENTS Examiner **Publication** Cite Pages, Columns, Lines Initials\* No. ' Foreign Patent Document Date Name of Patentee or Where Relevant Tو Applicant of Cited Passages or Figures MM-DD-Cntry Code<sup>3</sup> Number<sup>4</sup> Kind Code<sup>5</sup> (Vision) YYYY Document Appear OTHER DOCUMENTS Ancluding Author, Title, Date, Pertinent Pages, Etc.)

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MIPE 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant, 1 Applicant's unique citation designation number (optional)\(\text{\chi2}\) See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.

DATE CONSIDERED:

**EXAMINER SIGNATURE:** 

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to fite (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patient and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TQ: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2. "EXAMINER: thitial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through distion if not in conformance and not considered, include copy of this form with next communication to applicant. 1 Applicant's unique distion designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, 6 Applicant is to place a check mark here if English language Translation is attached.